TOSHIBA

28/32YT56 Series

Owner's manual

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5 C (41 F).

Mains Supply

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to *BS1362*. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.
IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Installation and important information

Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place on a sturdy platform, the mounting surface should be flat and steady. It should then be secured to the wall with a sturdy tie using the clip on the back of the television, this will prevent it from falling over.

Make sure the television is located in a position where it cannot be pushed or hit by objects and that small items cannot be inserted into slots or openings in the case.

Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damage caused to the product whilst in the possession of a third party;
vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's associated equipment;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

If stationary images generated by text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.

The remote control

Simple at-a-glance reference of your remote control.

To mute the sound

For On/Standby mode

Number buttons

To return to the previous programme

To select input from external sources

*To display the **digital** on-screen Programme Guide*

To switch between TV, Radio and Favourite programmes

On-screen Menus

To exit Menus

*When using menus the arrows move the cursor on the screen up, down, left or right. **OK** to confirm your selection*

To change programme positions and text pages

To alter the volume

To select mode

*To display **digital** on-screen information*

Selectable picture mode

*To call up text services in **analogue** mode and interactive services in **digital** mode*

Picture format

When using a TOSHIBA VCR or DVD:

press ⏸/⏯ to PAUSE/STEP
press ▶ to PLAY
press ◀◀ to REWIND
press ▶▶ to FAST FORWARD
press ⏏ to EJECT
press ■ to STOP
press ⏮ to SKIP-REWIND
press ⏭ to SKIP-FORWARD

When in TV mode:

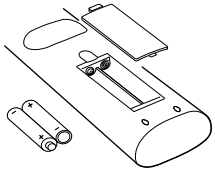
▼ *Still picture in digital mode*
I/II *Stereo/bilingual transmissions*
SUBTITLE *Digital Subtitles*
Time display in analogue mode

When using the Programme Guide:

◀◀ *– 2 hours*
▶▶ *+ 2 hours*
⏮ *– 24 hours*
⏭ *+ 24 hours*

Text and interactive service control buttons

Inserting batteries and effective range of the remote



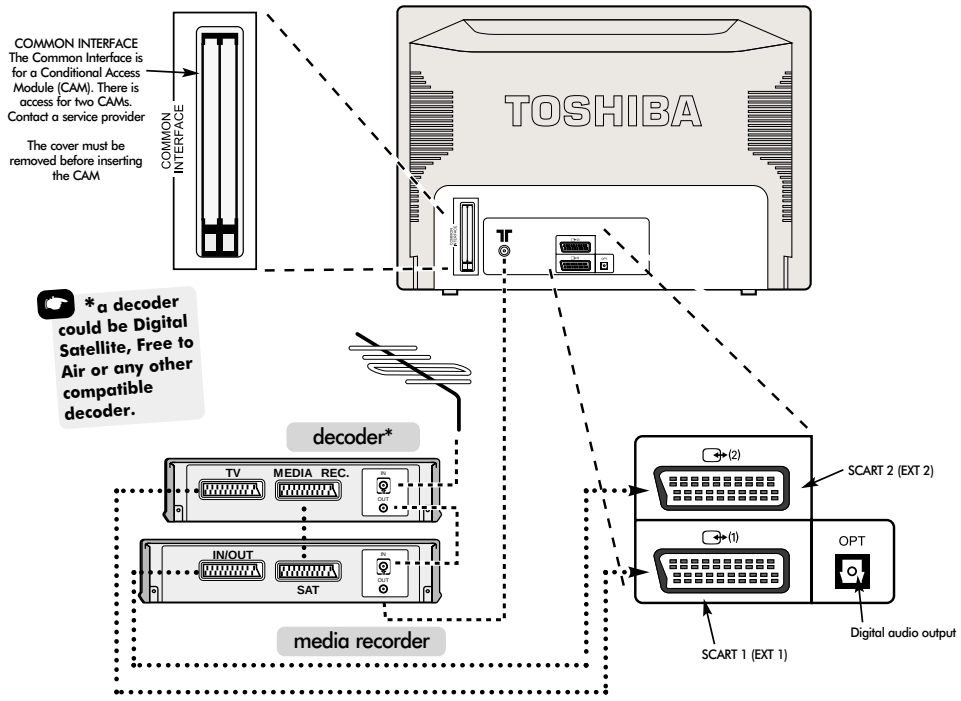
Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

Connecting external equipment

Before connecting any external equipment, disconnect from the main power is connected.



WE RECOMMEND THAT YOU USE SCART LEADS IN ADDITION TO AERIAL CABLES WHEREVER POSSIBLE

Aerial cables:

Connect the aerial to the socket on the rear of the television. If you use a decoder* and/or a media recorder it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television.

SCART leads:

Connect the media recorder **IN/OUT** socket to the television. Connect the decoder **TV** socket to the television. Connect the media recorder **SAT** socket to the decoder **MEDIA RECORDER** socket.

Before running **Auto tuning** put your decoder and media recorder to **Standby**.

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for *all* additional equipment *must* be referred to.

We recommend *SCART 1* for a decoder and *SCART 2* for a media recordcer.

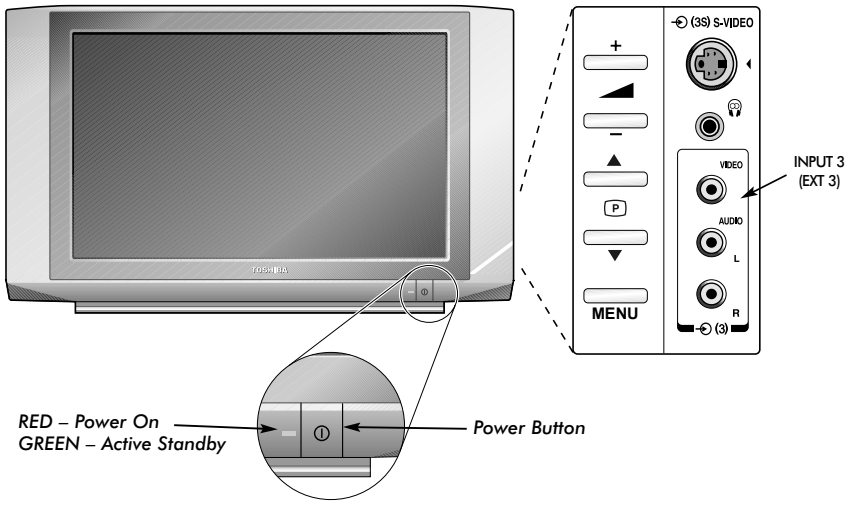
If connecting S-VIDEO equipment, set the **INPUT** for **EXT2S** or **EXT3S**. *See page 25.*

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊖ to select between **DTV**, **EXT1**, **EXT2**, **EXT2S**, **EXT3**, **EXT3S** or **ATV**.

Connections and controls

A wide variety of external equipment can be connected via the sockets located on the side of the television.

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the side of the television may be used for some functions.



Switching on

If the power-on light is unlit press the POWER button on the front of the television to switch the television on, a RED LED will appear, then press a number button on the remote control to see the screen.

To put the television into Standby press ⏻ on the remote control, a GREEN LED will appear for a few seconds then turn RED. To view the television press ⏻ again or any of the number buttons. The picture may take a few seconds to appear.

Using the remote control

After first installation, press the MENU button on the remote control to see the menus.

In **digital** mode the menu bar at the top of the screens will show three different topics shown in symbols. As each symbol is selected by pressing the ❮ or ❯ button on the remote control, its respective options will appear below.

In **analogue** mode the menu appears as a list of five topics. Press the ^ and ⌄ button to select an topic then ❯ to see its options.

To use the options press the ^ and ⌄ button on the remote control to move up and down through them and **OK**, ❮ or ❯ to select the required choice. Follow the on screen instructions. The functions of each menu are described in detail throughout the manual.

Using the controls and connections

To alter the volume press + ◿ —.

To alter the programme position press ▲ P ▼.

Press **MENU** and + ◿ — and ▲ P ▼ to control the sound and picture options in analogue mode only.

Press **MENU** to finish.

When connecting mono sound equipment to **EXT 3**, connect the audio output of the equipment to the L or R socket on the television, then press ⌀ I/II to select Dual I for left mono or Dual II for right mono.

To select the Input, press ⏎ until the display shows **EXT3** as described on *page 25*. The television will automatically sense the type of signal.

Please always refer to the owner's manual of the equipment to be connected for full details.

Please note: Inserting the headphone jack will mute the sound from all speakers.

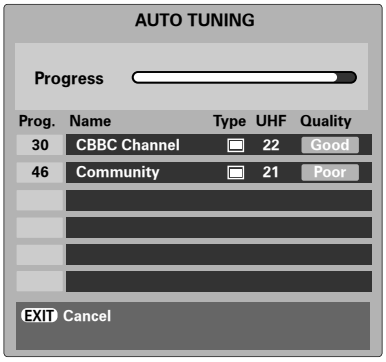
Digital tuning, programme sorting

Before switching on the television put your decoder and media recorder to **Standby** if they are connected and ensure the aerial is connected. To set up the television use the buttons on the remote control as detailed on page 5.

1 Press the power-on button, the **Welcome** screen will appear. This screen will appear the first time that the television is switched on and each time the television is reset.

2 Press **OK** to start tuning.

3 The **Auto tuning** screen will appear and the television will start to search for available stations. The progress bar will move along the line.



You must allow the television to complete the search.

When the search is complete the **Auto tuning** screen will display the total number of services found.

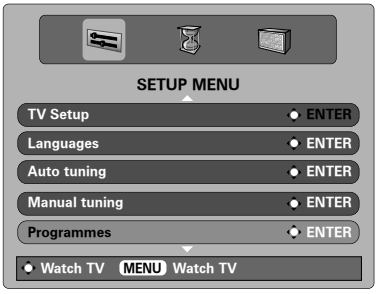
AUTO TUNING
19 programmes found
13 TV 6 Radio 0 Text
Press OK to watch programme
Prog. Name Type UHF Quality
1 BBC ONE 22 Good
2 BBC TWO 22 Good
3 BBC THREE 22 Good
10 BBC FOUR 21 Poor
30 CBBC Channel 22 Good
34 CBeebies 21 Poor
Change Watch
Page Up Page Down Sort

4 Use ⌄ or ⌃ to move through the list to select a programme then press **OK** to view.

Programme sorting

1 The station order may be changed, for instance if the picture is unclear or the signal is weak. Press **MENU**, the **SETUP MENU** will appear on screen.

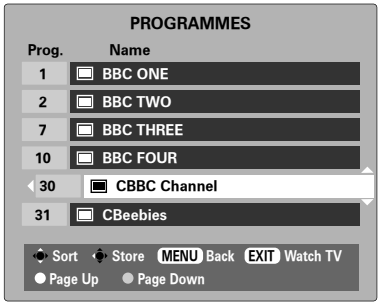
2 Use ⌄ to move down through the list and highlight **Programmes**. Press **OK**.



Digital programme sorting continued, auto tuning, manual tuning

3 With the list of stations now showing use ❯ or ❮ to highlight the station you want to *move* and press ❭.

The selected station will be moved to the right of the screen.



4 Use ❯ or ❮ to move through the list to your *preferred* position. As you do so the other stations will move to make room.

5 Press ❬ to store your move.

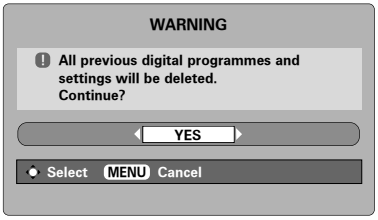
Repeat as necessary, then press **EXIT**.

Auto tuning

***Auto tuning** will add any new services that are broadcast, or can be used to completely re-tune the television. All current programmes and settings, i.e. favourites and locked programmes, will be lost.*

1 Select the **SETUP MENU** and use ❯ to highlight **Auto tuning**. Press **OK**.

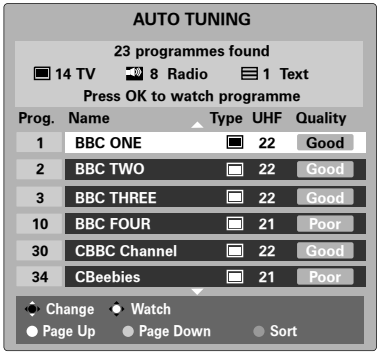
2 A screen will appear warning that previous digital programmes and settings will be deleted. Press **OK** to continue with the **Auto tuning**.



The television will start to search for all available stations.

You must allow the television to complete the search.

When the search is complete the **Auto tuning** screen will display the total number of services found.


AUTO TUNING
23 programmes found
14 TV 8 Radio 1 Text
Press OK to watch programme
Prog. Name Type UHF Quality
1 BBC ONE 22 Good
2 BBC TWO 22 Good
3 BBC THREE 22 Good
10 BBC FOUR 21 Poor
30 CBBC Channel 22 Good
34 CBeebies 21 Poor
Change Watch
Page Up Page Down Sort

The station order may be changed, for instance if the picture is unclear or the signal is weak, using **Programmes** as previously described.

Manual tuning

This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

1 Select **Manual tuning** from the **SETUP MENU** and press **OK**.

2 Enter the multiplex number using the number buttons. The television will automatically search for that multiplex.

When the multiplex is found any channels not currently on the programme list will be added and the programme information at the top of the screen will be updated.

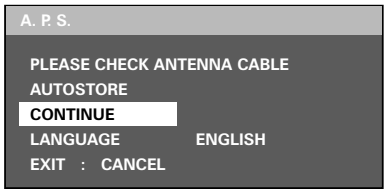
3 Repeat as necessary. Press **EXIT** to finish.

Analogue tuning and programme sorting, manual tuning

The television can be tuned to all available **analogue** stations. Pressing ⊕ six times will put the television into **analogue** mode. To return to **digital** viewing press ⊕, **DTV** will appear on the screen.

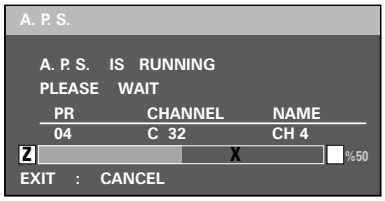
NOTE: When the television is switched off the mode being viewed at the time will automatically be selected when the television is switched back on.

1 Press ⊕ to select **analogue** mode. The **A. P. S.** screen will appear. This screen will appear the first time that **analogue** mode is selected and each time the television is re-tuned.



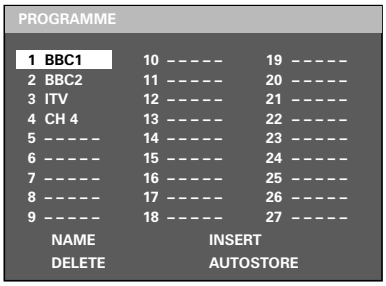
2 Press ❯ to highlight **CONTINUE**, then press ❯ to start tuning.

3 The television will start to search for available stations. The progress bar will move along the line.



You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **PROGRAMME** which will appear on the screen.



4 With the list of stations now showing use ❯ or ❮ to highlight the station you want to *move* and press the **GREEN** button.

5 Use ❯ or ❮ to move through the list to the preferred position, as you do so the other stations will move to make room, then press the **GREEN** button again. The selected station will be moved to the new position.

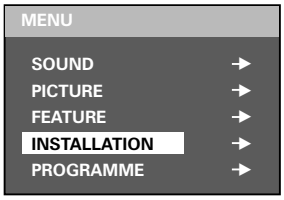
Repeat as necessary, then press **EXIT**.

If the television cannot be connected to a media recorder/decoder with a SCART lead or if a station on another ***system*** is required, a programme position can be manually tuned in.

Manual tuning

To allocate a programme position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film into the media recorder and press PLAY, then manually tune.

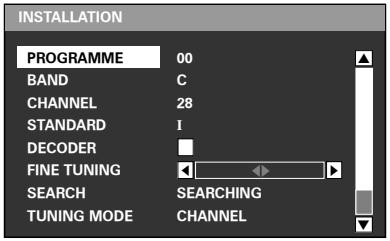
1 Press **MENU** and using ❯ select **INSTALLATION**, then press ❯.



Analogue manual tuning continued, fine tuning

The television can be tuned-in manually using **INSTALLATION**. For example: if the television cannot be connected to a media recorder/decoder with a SCART lead or to tune-in a station on another **System**.

2 Using ❯ select **PROGRAMME** then press ❯ and key in the programme position to be tuned with the number buttons, we suggest *Programme 0* for a media recorder.

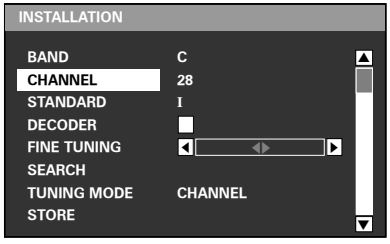


3 Use ❯ to select **SEARCH** then press ❯, **SEARCHING** will flash and the television will begin searching for channels.

4 Each signal will show on the television, if it is not your media recorder press ❯ to restart the search.

5 When your media recorder signal is found, save the selection by pressing ❯ until **STORE** is highlighted, then press ❯ to save.

Repeat for each *programme position* to be tuned then press **EXIT** to finish.

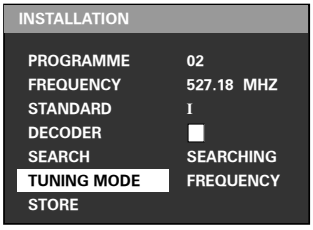


6 If the channel number is known the television will search using this information. Using ❯ select **CHANNEL** as the **TUNING MODE**.

7 Select the **PROGRAMME** position number as in *Step 2*, then enter the **CHANNEL** number. Highlight **SEARCH** and press ❯.

8 To save the selection press ❯ until **STORE** is highlighted, then press ❯.

9 The television will also search by frequency. Select **FREQUENCY** as the **TUNING MODE**.



10 Select the **PROGRAMME** position number, then enter the **FREQUENCY** number. Highlight **SEARCH** and press ❯.

11 To save the selection press ❯ until **STORE** is highlighted, then press ❯.

NOTE: If the decoder is connected to the television by SCART lead to **EXT2**, the **DECODER** option in the **INSTALLATION** menu must be selected.

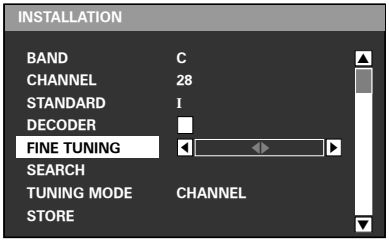
Fine tuning

***FINE TUNING** should not be required unless there is interference or a weak signal. It is only available when the tuning mode is set to channel.*

1 Select the programme position, then press **MENU** and select **INSTALLATION**.

2 Using ❯ highlight **FINE TUNING**, then use ❮ or ❯ to adjust to get the best picture and sound.

3 To save the selection press ❯ until **STORE** is highlighted, then press ❯.

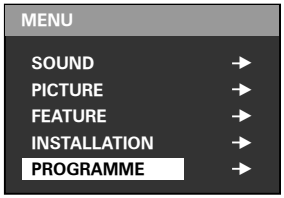


Analogue autostore

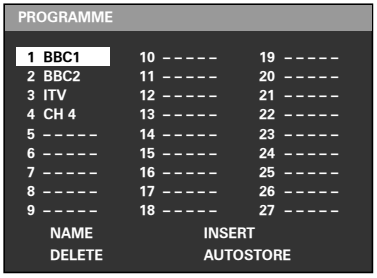
Autostore

When the **AUTOSTORE** *feature is selected all* **analogue** *channels and settings will be lost, the television will return to factory settings and then re-tune.*

1 Press **MENU** and using ❯ select **PROGRAMME** then press ❯.

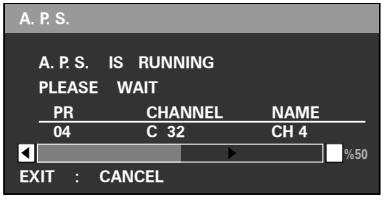


2 The **PROGRAMME** screen will appear on the screen. Press the **BLUE** button to start **AUTOSTORE**.



3 The **A. P. S.** screen will appear. Press ❯ to highlight **AUTOSTORE**, then press ❯ to start tuning.

The television will start to search for available stations. The progress bar will move along the line.



You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using the **PROGRAMME** menu.

General controls, time display, stereo/bilingual transmissions, child lock

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using **P▲** and **P▼**.

To display on-screen information i.e. programme position, input mode or stereo/mono signal press i+. Press again to clear.

To revert to the previous programme position press ⇄.

REMEMBER: To move between **digital** and **analogue** modes, press ⇥ till **DTV** appears on the screen for **digital**, press ⇥ repeatedly to select **analogue**.

The Time Display – **analogue** only

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⏲/✉ whilst watching a normal television broadcast to see a time display from the broadcaster. Press again to clear it from the screen.

Stereo and Bilingual transmissions

In **analogue** mode:

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear

Stereo... Press CC I/II to select **Stereo** or **Mono**.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** appears press CC I/II to select **Dual 1**, **Dual 2** or **Mono**.

In **digital** mode:

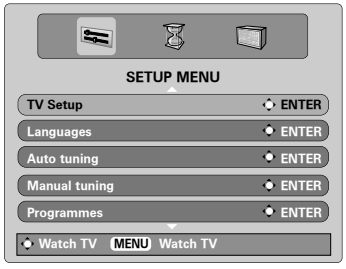
I/II appears during channel change and the i+ bar if the current programme has more than one audio track.

Press CC I/II to select between audio languages.

Child lock

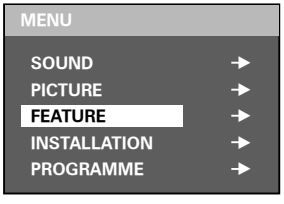
CHILD LOCK *disables the buttons on the side of the television. All buttons on the remote control can still be used. This feature is available in* **digital** *and* **analogue** *modes.*

1 If in **digital** mode, press **MENU**, using ❯ select **TV Setup** from the **SETUP MENU**, then press **OK**.

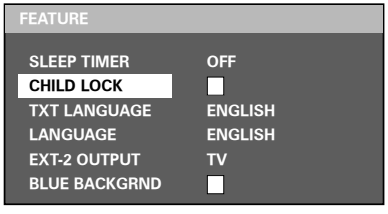


2 A menu will appear on screen with **SOUND**, **PICTURE** and **FEATURE** options. Using ❯ select the **FEATURE** menu and press ❯.

3 If in **analogue** mode, press **MENU** and using ❯ select the **FEATURE** menu and press ❯.



4 Press ❯ to choose **CHILD LOCK** and press ❯ to select, a tick will appear in the box. Press **OK**.



When **CHILD LOCK** is selected, a reminder will appear when any of the side panel buttons are pressed. Once the television has been switched off it can ONLY be brought out of standby using the remote control.

Sound controls – volume, sound mute, balance, AVL, pseudo

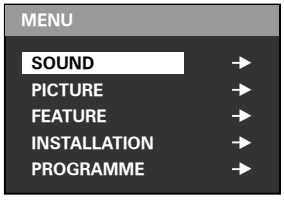
All sound controls are available in both **digital** and **analogue** modes. To access the **SOUND** menu in **digital**: press **MENU** and using ❯ select **TV setup**, press **OK** to bring up the **SOUND** option, press ❯ to select. To access the **SOUND** menu in **analogue**: press **MENU** and using ❯ highlight **SOUND**, press ❯ to select.

Sound controls

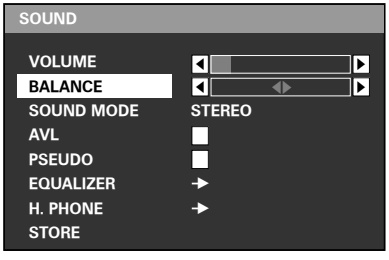
Volume
Press + or — to adjust the volume.

Sound Mute
Press once to turn the sound off and again to cancel.

Sound balance



1. Press ❯ to select the **SOUND** option from the main menu.



2. Press ❯ to highlight **BALANCE** and ❮ or ❯ to adjust the settings.

3. Press ❯ to select **STORE** and then ❯ to save the settings. Press **EXIT** to finish.

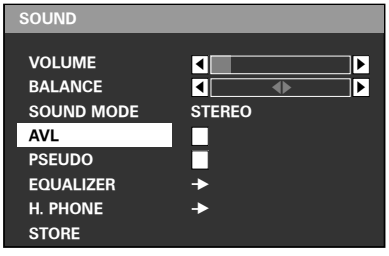
AVL – Auto Volume Limiter

***AVL** limits high volume levels and prevents the extreme changes in volume that can occur when channels are changed or a programme switches to a commercial.*

1. Select the **SOUND** option from the main menu.

2. Use ❯ to highlight **AVL** then press ❯ to select, a tick will appear in the box.

3. Press ❯ to select **STORE** and then ❯ to save the selection.



Pseudo

***PSEUDO** creates a synthetic sound effect for movies and television shows recorded in mono.*

1. In the **SOUND** menu use ❯ to highlight **PSEUDO** then press ❯ to select, a tick will appear in the box.

2. Press ❯ to select **STORE** and then ❯ to save the selection.

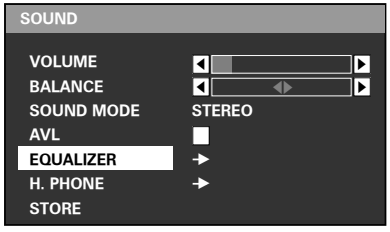
Sound controls continued – equalizer, headphone

All sound controls are available in both **digital** and **analogue** modes. To access the **SOUND** menu in **digital**: press **MENU** and using ❯ select **TV setup**, press **OK** to bring up the **SOUND** option, press ❯ to select. To access the **SOUND** menu in **analogue**: press **MENU** and using ❯ highlight **SOUND**, press ❯ to select.

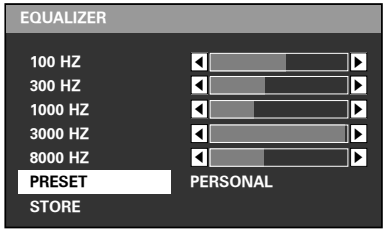
Equalizer

The **EQUALIZER** *feature has a number of sound settings to select from;* **THEATRE**, **SPEECH**, **MULTIMEDIA**, **MUSIC**. *These settings are all preset and cannot be altered. The* **PERSONAL** *setting can be altered and stored to suit personal preference.*

1 Select the **SOUND** option from the main menu.



2 Use ❯ to highlight **EQUALIZER** then press ❯ to select.



3 Press ❯ to highlight **PRESET** then ❯ to select **PERSONAL**.

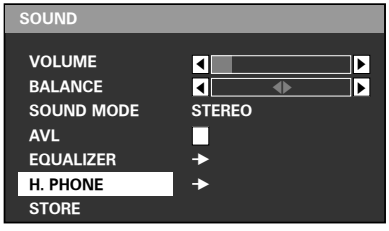
4 Using ❮ and ❯ select a frequency and then ❮ and ❯ to adjust to suit personal taste.

5 Press ❯ to select **STORE** and then ❯ to save the settings.

Headphone

The **HEADPHONE** *feature allows you to alter the sound from headphones when connected to the socket on the side of the television.*

1 Select the **SOUND** option from the main menu.



2 Use ❯ to highlight **H. PHONE** then press ❯ to select.

3 Using ❮ and ❯ select an option and then ❮ and ❯ to adjust to suit personal taste.

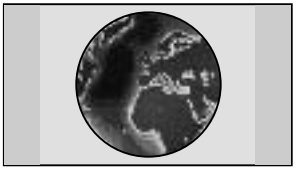
4 Press ❯ to select **STORE** and then ❯ to save the settings.

Picture format

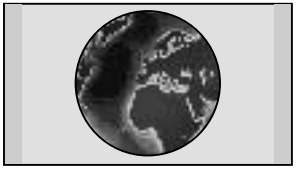
Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press the ⇔ button repeatedly to select between **Auto**, **4:3**, **Wide**, **Cinema**, **Subtitle** and **Super Live**.

When **Auto** is selected the format being displayed is determined by the picture being broadcast.

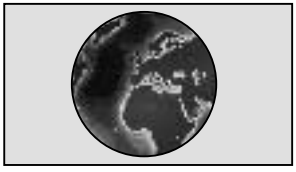
4:3 *Use this setting to view a true 4:3 broadcast.*



WIDE *Use this setting when watching a 16:9 broadcast.*



CINEMA *When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.*



SUBTITLE *When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.*

SUPER LIVE *Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.*

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Picture controls – picture mode, tilt, colour temperature

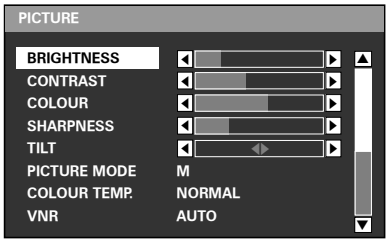
The picture controls are available in both **digital** and **analogue** modes. To access the **PICTURE** menu in **digital**: press **MENU** and using ❯ select **TV setup**, press **OK** to bring up the **PICTURE** option, press ❯ to select. To access the **PICTURE** menu in **analogue**: press **MENU** and using ❯ highlight **PICTURE**, press ❯ to select.

Picture mode

This television offers the choice of personalising the picture style. Press ⇥|◻|⇤ to view the different styles available:

PICTURE MODE 1 *to* **3** *are preset options and* **PICTURE MODE M** *stores your own settings:*

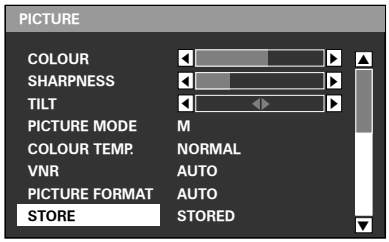
1 Select the **PICTURE** option from the main menu.



2 Press ❯ to highlight **PICTURE MODE** and then ❯ to select **M**.

3 Using ❮ and ❯ select **Brightness**, **Contrast**, **Colour** and **Sharpness**, then ❮ and ❯ to adjust to suit personal taste.

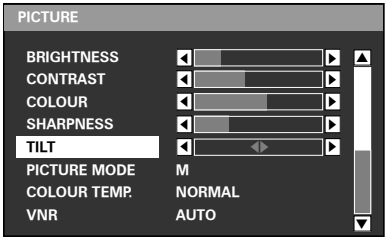
4 Press ❯ to select **STORE** and then ❯ to save the settings. Press **OK** to finish.



Tilt

If the picture is not level it could be due to the earth's magnetic field and can be adjusted.

1 In the **PICTURE** menu press ❯ to highlight **TILT** then ❮ and ❯ to adjust the setting.



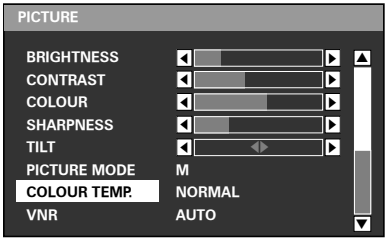
2 Press ❯ to select **STORE** and then ❯ to save the settings.

Colour Temperature

Colour Temperature *increases the 'warmth' or 'coolness' of a picture by increasing the red or blue tint.*

1 In the **PICTURE** menu press ❯ until **COLOUR TEMP** is highlighted.

2 Press ❯ to select between **NORMAL**, **WARM** and **COOL** to suit your preference.



3 Press ❯ to select **STORE** and then ❯ to save the selection.

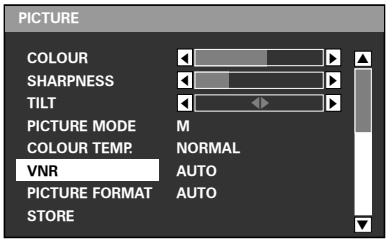
Picture controls continued – VNR, picture format, VCR mode, blue background

The picture controls are available in both **digital** and **analogue** modes. To access the **PICTURE** menu in **digital**: press **MENU** and using ❯ select **TV setup**, press **OK** to bring up the **PICTURE** option, press ❯ to select. To access the **PICTURE** menu in **analogue**: press **MENU** and using ❯ highlight **PICTURE**, press ❯ to select.

VNR – Video Noise Reduction

VNR *'softens' the screen representation of a weak signal to reduce the noise effect.*

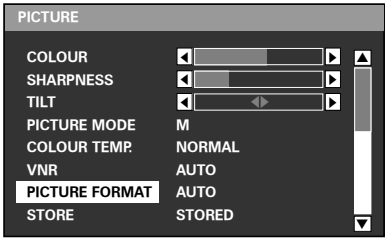
1. In the **PICTURE** menu press ❯ until **VNR** is highlighted.
2. Press ❯ to select between **AUTO**, **MAX**, **MIN** and **OFF**. The differences may not always be noticeable.



Picture format

The **PICTURE FORMAT** *feature allows programmes to be viewed in a number of formats depending on the type of broadcast being transmitted.*

1. In the **PICTURE** menu press ❯ until **PICTURE FORMAT** is highlighted.
2. Press ❯ to select between **AUTO**, **4:3**, **WIDE**, **CINEMA**, **SUBTITLE** and **SUPER LIVE**.



3. Press ❯ to select **STORE** and then ❯ to save the selection. For more detailed information see *page 16*.

VCR Mode

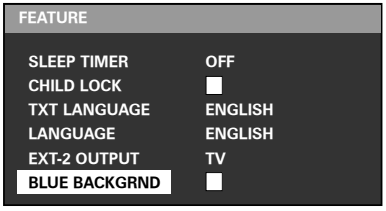
When **VCR Mode** *is set to* **ON**, *the picture on the screen is locked into position. This stops any movement that might be noticeable when viewing a picture from a VCR.*

1. Select channel '0' on the television. **VCR MODE** will now be added to the **PICTURE** menu.
2. Press ❯ until **VCR MODE** is highlighted.
3. Press ❯ to select **ON** or **OFF**. Store to save the selection.

Blue background

When **BLUE BACKGROUND** *is selected the screen will turn blue and the sound will be muted when no signal is received. A five minute countdown will be visible on screen. If no signal is received during the five minute period the television will switch to standby when the countdown finishes.*

1. Select the **FEATURE** option from the main menu.



2. Using ❯ select **BLUE BACKGRND**, then press ❯ to select, a tick will appear in the box.
3. Press **OK** to finish.

Still picture – **digital** only

The **STILL PICTURE** *feature allows a still image to be held on the screen.*

1. Press ▼ to hold an image on the screen. Press ▼ again to cancel.

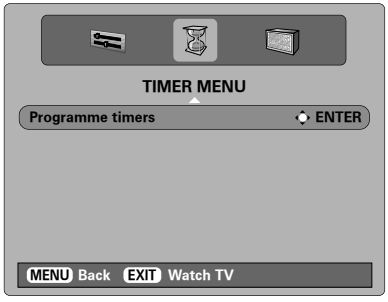
The Timers

REMEMBER: When viewing in **digital** mode if **analogue** is required press ⊕ six times to put the television into **analogue** mode. To return to **digital** viewing press ⊕ to select **DTV**.

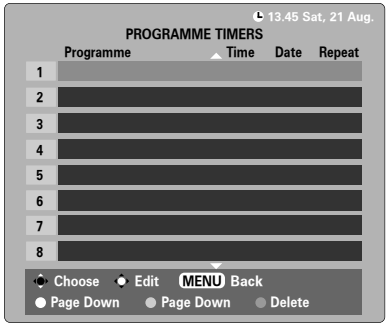
Programme timers – **digital**

This feature sets the television to record programmes. The 'Repeat' feature can be set to record 'daily' and 'weekly' to ensure a series of programmes are recorded.

1 Press **MENU** and ❮ or ❯ to select the **TIMER MENU**.

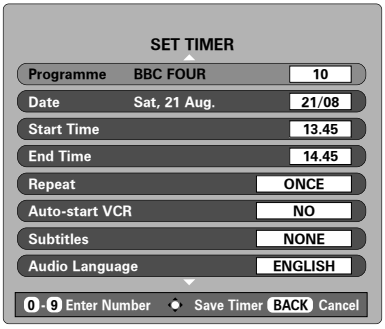


2 Press ❯ to select **Programme timers**, then press **OK** to select.Your TV must be on or in standby mode when a programme timer to due to start.



3 Press ❯ to select the first programme to be recorded, then press **OK**. The **SET TIMER** menu will now appear.

4 Press ❮ and ❯ to go through the list adding the details of the programme to be recorded by using the number buttons and ❮ and ❯ to make selections.



5 When all the details have been entered press **OK** to save the timer.

Auto-start VCR: If your Toshiba media recorder is AV link compatible setting this feature to **YES** will auto start/stop the recording at the correct time.

PLEASE NOTE: When a timed programme is about to start recording, an information screen will appear, the television will then automatically change to the required channel. Cancelling this will also cancel the recording.

You can press the STANDBY button whilst watching a programme timer:

The TV will remain on until the timer ends, when it will go into standby mode. You can press the STANDBY button again to go into standby mode immediately and cancel the timer.

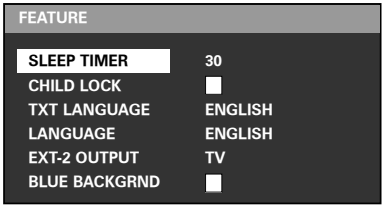
Sleep timer – **analogue**

The television can be set to turn itself **OFF** *after a certain time.*

1 Press **MENU** and ❮ or ❯ to select the **FEATURE** menu.

2 Use ❯ to select **SLEEP TIMER**.

3 To set the number of minutes in which the television will turn off press ❮ or ❯. This will increase/decrease in steps of 5 minutes.



Digital Programme Guide and on-screen information

When viewing in digital mode the on-screen information and guide give access to programme details for all available channels. Recording can also be set from ***both*** the information screen and guide.

Information

1 Select information by pressing (i+), the information screen will appear giving details of the channel and programme currently being viewed.

2 To see details of any of the other channels currently available, press ^ and v to scroll up and down the channel list. As the channel is selected details of the programme currently being broadcast will appear.

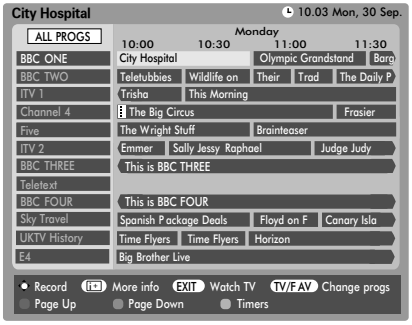
3 Pressing the YELLOW button will activate ***Showing also***, giving details of programmes which have or are due to start on other channels.

4 To record the following programme, with the information guide showing, press ❯. The Tune option in the bottom section of the screen will change to Record , press OK. The SET TIMER screen will appear.

5 Press ^ and v to go through the list adding details of the programme to be recorded by using the number buttons and ❮ and ❯ to make selections. Press OK to save.

Guide

1 Select the on-screen guide by pressing GUIDE , the guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.



2 Press ❮ or ❯ for information of other programmes scheduled for the channel selected.

3 For details of other channels currently available, press ^ and v to scroll up and down the channel list. As the channel is selected details of the programme currently being broadcast will appear, then press ❮ or ❯.

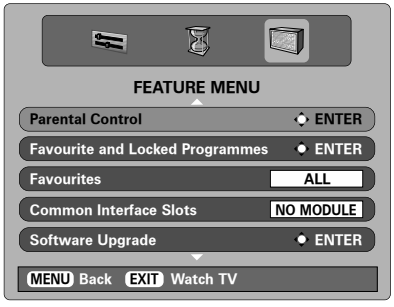
4 Press the (i+) button for more information about the currently highlighted programme.

Digital parental controls – setting the pin, mode

There are a number of parental controls which can block specific channels being viewed, and which can only be accessed with a security PIN code when in digital mode.
Once you've entered the PIN code once, you do not need to enter it again until next time you power-on TV. To restore PIN code entry again (e.g. for parental controls on locked programmes) press STANDBY twice.

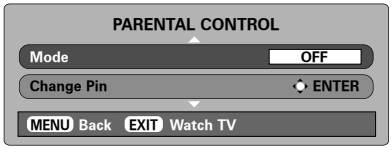
Setting the PIN

1 Press **MENU** and ❯ to select the **FEATURE MENU**.

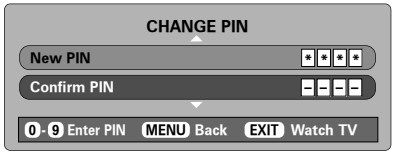


2 Use ❯ to select **Parental Control** then press **OK**.

3 Press ❯ to highlight **Change Pin** then press **OK**.



4 Using the number buttons enter a four digit number, when these have been entered the screen will ask you to confirm them by entering them again.

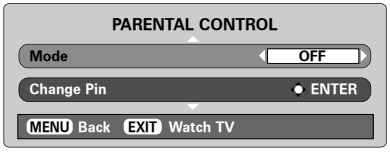


5 Press **MENU** to go back to the **Parental Control** screen. The PIN number is now set.

Mode

This feature locks various menus to prevent the television being retuned or the settings being overridden.

1 In the **PARENTAL CONTROL** menu press ❯ to select **Mode**.



2 Use ❮ or ❯ to choose between **ON**, **OFF**, **LOCK MENU** and **LOCK INSTALL**.

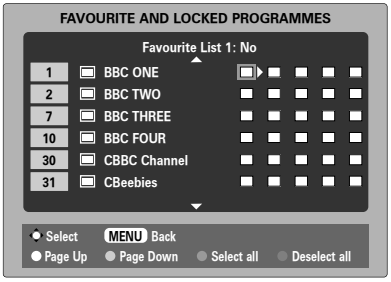
When menus that have been locked are now selected they will only become available when the PIN is entered.

Digital settings – favourite programmes, locked programmes, encrypted programmes

Selecting favourite programmes

Favourite Programmes *creates a list of the* **digital** *channels that are watched most. Four lists can be created, these can be a mixture of television, text and radio channels.*

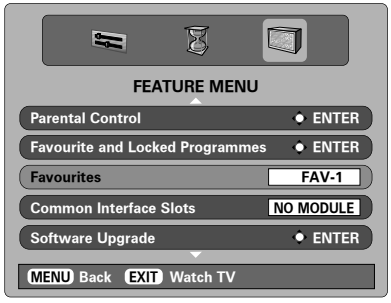
1. From the **FEATURE MENU** press ⌄ to select **Favourite and Locked Programmes** .



2. Use ⌃ and ⌄ to go through the list of channels pressing **OK** to select the ones required, a tick will appear in the box.

3. Press ❯ to select **List 2**. Follow the same procedure to make the selection. When all favourites have been selected press **MENU** to return to the **FEATURE** menu.

4. Use ⌄ to highlight **Favourites** and ❮ or ❯ to select between **ALL**, **TV**, **RADIO**, **FAV-1** and **FAV-2**. The number of favourites available depends on how many lists have been created.



5. Press **EXIT**.

Using the ▲ **P** ▼ buttons will now only access those channels in **Favourite List 1** when **FAV-1** is selected.

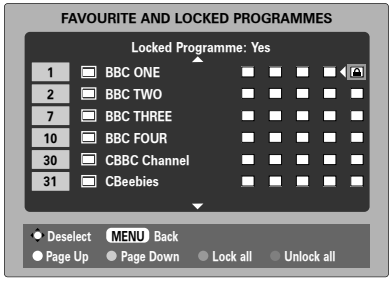
Locking programmes

Locked Programmes *stops the viewing of* **digital** *channels, they can only be accessed by entering the PIN.*

1. From the **FEATURE MENU** press ⌄ to select **Favourite and Locked Programmes**.

2. Press ❯ repeatedly to select the **Locked Programme** list.

3. Use ⌃ and ⌄ to go through the list of channels pressing **OK** to select the ones required, a padlock will appear in the box.



4. Press **EXIT** to finish

5. When any of the channels in the **Locked Programme** list are now selected the PIN must be entered before they can be accessed.

Encrypted programmes

Selecting **Encrypted Programmes** *allows all encrypted programmes to be shown in the programme list even if they are not available to select.*

1. In the **FEATURE MENU** press ⌃ or ⌄ to select **Encrypted Programmes**.

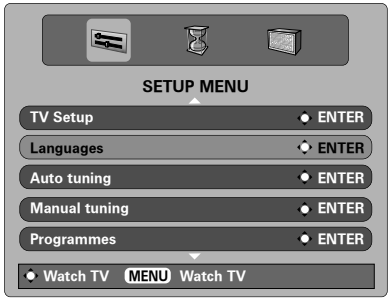
2. Use ❮ or ❯ to select **ON** or **OFF**.

Digital settings continued – audio languages, subtitles, reset tv, common interface

Audio languages

This feature allows a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

1 From the **SETUP MENU** press ⌄ to select **Languages**.



2 Press **OK**, then press ⌃ or ⌄ to highlight **Audio Language**.

3 Use ❮ or ❯ to select **ENGLISH**, **WELSH** or **GAELIC**.

NOTE: If more than one soundtrack is available, use I/II to select between them.

Subtitles

This feature will show subtitles on the bottom of the screen in the selected language provided they are being broadcast.

1 From the **LANGUAGES** menu press ⌄ to select **Subtitles**.

2 Use ❮ or ❯ to select **OFF**, **ENGLISH**, **WELSH** or **GAELIC**.

Reset TV

Selecting **Reset TV** *will delete all stored* **digital** *channels and settings. The television will return to factory settings and then auto tune.*

1 Press **MENU** and then press ⌄ until **Reset TV** is highlighted.

2 Press **OK** to select. A screen will appear warning that all digital settings will be lost, press **OK** to continue.

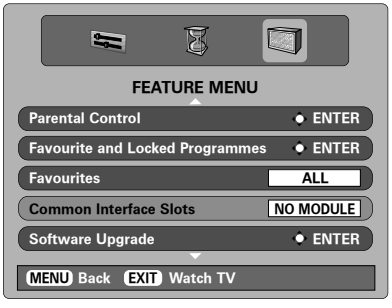
The Welcome screen will appear, press **OK** to continue, the television will then auto tune.

Common interface

The Common Interface Slot, situated on the back of the television, enables the insertion of a CAM (Conditional Access Module) and card. These are purchased from a service provider and allow additional broadcasts to be viewed. For information see a service provider.

1 Insert the CAM and card into the Common Interface Slot, following the instructions provided with the CAM. A box will appear on screen to confirm that the CAM is loaded.

2 From the **FEATURE MENU** press ⌃ or ⌄ to select **Common Interface Slots**.



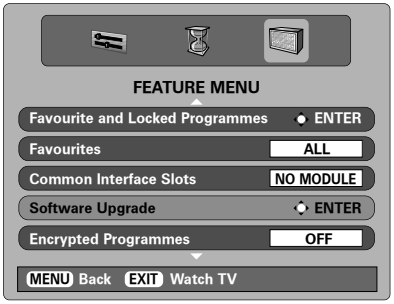
3 Details of the CAM should now be available. Use **OK** to select it. If two CAMs are inserted use ❮ or ❯ to select between the two.

Digital settings continued – software upgrade

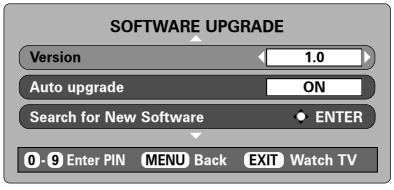
Version

This feature can be used to check the version of software currently installed.

1 From the **FEATURE MENU** press ^ or v to select **Software upgrade**. Press **OK**.



2 Press ^ or v to select **Version**. Use 〈 or 〉 to select. When the software has been updated there will be a choice of two versions available.



Auto Upgrade

If **Auto upgrade** *is selected the software will automatically update as each version becomes available, provided the television is on or in standby. If the television is on, a screen prompt will appear showing the software download taking place.*

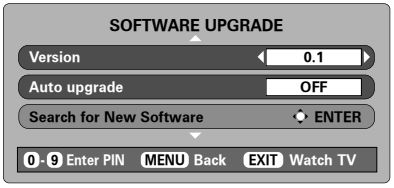
1 In the **SOFTWARE UPGRADE** menu press ^ or v to select **Auto upgrade**.

2 Use 〈 or 〉 to select **ON** or **OFF**.

Searching for new software

If preferred, software upgrades can be searched for manually using **Search for New Software**.

1 In the **SOFTWARE UPGRADE** menu press ^ or v to select **Search for New Software**.



2 Press **OK**. The television will automatically start searching for a software upgrade, the progress bar will move along the line.

If an upgrade is found the television will automatically start downloading, if not a screen will appear stating that an upgrade is unavailable.

Input selection and AV connections, **Analogue** switch-off

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 6 for a clear view of the back connection recommendations.

Most media recorders and decoders send a signal through the SCART lead to switch the television to the correct *Input* socket. Alternatively press the external source selection button ⊖ until the picture from connected equipment is shown.

Input selection

Use the Input Selection if the television does not switch over automatically.

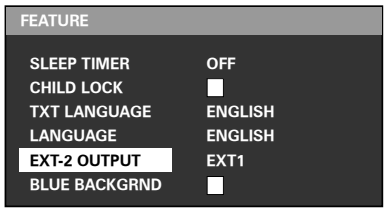
1 Press ⊖ to select **EXT1**, **EXT2**, **EXT2S**, **EXT3** and **EXT3S**.

To return to television mode press ⊖ again for **analogue** mode then press ⊖ again to select **DTV** for **digital** mode.

OUTPUT signal selection for SCART 2

This enables selection of the source to *output* from SCART 2. For example, to record transmissions in stereo from a stereo decoder – connect a stereo decoder to SCART 1 and stereo media recorder to SCART 2, then select **EXT1** as the **EXT2 output**. The signal received through SCART 1 will output directly through SCART 2.

1 From the **FEATURE** menu, press ❯ to select **EXT-2 OUTPUT**.



2 Use ❯ to change the **EXT2 OUTPUT** option to:

TV = The last television programme selection.
EXT1 = The picture from equipment connected to SCART 1.
DTV = The programme selection from **digital** mode.
EXT3 = The picture from equipment connected to the side input sockets.

Analogue switch-off

This is a **digital** television which is integrated to allow the use of both **digital** and **analogue** services. However, during the lifetime of this set it is very likely that **analogue** services will be switched off to allow for more new **digital** services.

This 'switch-off' will happen in a number of phases, which will be advertised in your area well in advance. It is recommended that at each phase the television is re-tuned to ensure that existing and new **digital** services can be viewed without disruption *(see **Auto tuning** page)*.

Digital text and interactive services and **Analogue** text

Digital text and interactive services

The **digital** text and interactive services are the up-to-date way of viewing service information, using computer-style formats, incorporating pictures and interactive views.

They offer high quality on-screen images with multi-colour photographic still images, advanced text and graphics and are user-friendly. These services are free to anyone with a digital television, however, they are not available for all digital stations and are dependant on the broadcaster.

Simply using the coloured buttons on the remote control and ∧, ∨, ❮ and ❯ makes navigating pages and pull-down menus quick and easy.

Using **Digital** interactive services

Most channels that offer interactive services will show a prompt, for example, "Press RED".

1. To access **digital** interactive services press the **TEXT** or **RED** button. It may take a few seconds to load.
2. Using ∧ and ∨ highlight the required subject and press **OK**.

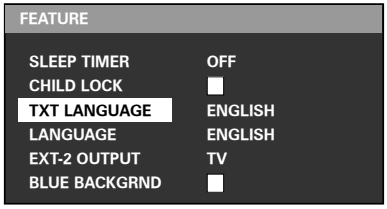
   Use the coloured buttons as instructed.
3. To return to normal viewing press **TEXT**.

Analogue text

This television has a multi-page text memory, which takes a few moments to load.

Before using the text services the required language must be chosen.

1. Select **TXT LANGUAGE** from the **FEATURE** menu.
2. With ❯ choose the required language then press **OK**.



The TEXT ☰/◪/▢ button:

To view text services press **TEXT**. Pressing again will split the screen in two with the television picture on one side and text on the other. Press again to return to normal viewing. Programmes cannot be changed until text is cancelled.

The first text page shown will be the *initial* page.

Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing **P** ▲ (∧) to advance to the next page and **P** ▼ (∨) to go back to the previous page.

Four coloured titles will appear at the base of the screen. To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Analogue text continued – control buttons

Below is a guide to the functions of the remote control **analogue** text buttons.

To display an initial page:

Press to access an initial page. The one displayed is dependant on the broadcaster.

TEXT To display a page of text:

Press **TEXT** (/ /) to display text. Press again to superimpose text over a normal broadcast picture. Press again to return to normal television viewing. Programmes cannot be changed until you return to normal television.

To reveal concealed text:

To discover the solutions on quiz and joke pages press the button.

To hold a wanted page:

At times it is convenient to hold a page of text. Press and will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

To enlarge the text display size:

Press once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

/ To select a page whilst viewing a normal page:

Enter the page number then press /, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen. Press **TEXT** to view the page.

To display news flashes:
Select the news flash page for the chosen text service (see the index page of text service). Press /. The news flashes will be displayed as and when they are broadcast. Press / again to cancel the display.

The news flash page must be cancelled before changing programmes.

* ***Remember to cancel text before changing channels – press the TEXT button twice.***

Questions and Answers

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*

A Check the mains switch is on and check all connections.
Check the television is not in standby mode.

Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *What can cause a poor* **analogue** *picture?*

A Interference or a weak signal. Try a different television station. **FINE TUNING** may help.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on page 6, then select the correct input by pressing ⊕.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct ***input*** has been chosen, **S-VIDEO** or **AV**. See **AV connections**.

Q *Why is there a good video picture but no sound?*

A Check the SCART lead connection.

Q *Why doesn't the remote control work?*

A Check the side switch on the remote control is in TV mode.
Check the batteries aren't dead or inserted incorrectly.

Q *Why is the* **DTV** *main menu unavailable?*

A **Analogue** mode is selected. Press ⊕ to select **DTV**.

Q *Why don't the controls on the side of the television work?*

A Check that **CHILD LOCK** is not selected.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing i+.

Q *Why is the channel locked?*

A The channel has been selected in **Locked Programmes**. See *Digital Settings* pages.

Q *Why are the menus locked?*

A **LOCK MENUS** is selected. See *Parental Controls* page.

Q *Why are some of the* **digital** *channels unavailable?*

A Your subscription needs upgrading. Contact your service provider.

Q *Why when* **digital** *subtitles have been selected are they not showing on screen?*

A Subtitles are not currently being transmitted by the broadcaster.

Q *Why is the soundtrack in English when a different audio language has been selected?*

A The programme is currently being broadcast with an English soundtrack only.

Q *Why is the sound only coming from one speaker when stereo sound is selected?*

A Check that the balance in the SOUND menu hasn't been set to one side.

Questions and Answers continued

Q *What can be done if the PIN number has been forgotten?*

A Use the Master PIN code of 1276, then change to a number of your choice. Ensure that no-one else can use the Master PIN by removing the Owner's Manual.

Q *Why is there no* **digital** *text service?*

A The **digital** programme being viewed is not broadcasting digital text. Try another **digital** programme.

Q *Why are there problems with* **analogue** *text?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the *main index* page of the text service and look for the *User Guide*. This will explain the basic operation of text in some detail. If further information is needed on how to use text *see the text section*.

Cleaning the screen and cabinet...

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you ***do not*** *use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

The following information is only for EU member states

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Notes

For your own records

Notes

For your own records

Specifications and accessories

Broadcast systems/channels
PAL-I UHF UK21-UK69

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin SCART	RGB, A/V
EXT2	Input/Output	21-pin SCART	Composite, S-video Selectable output
EXT3	Input (side)	4 pin Phono jack Phono jacks	S-video Video Audio L + R
Digital Audio Output		Optical	
Common Interface		Two Modules	

Programme Positions		100
Stereo		Nicam 2 carrier system
Visible Screen Size (approx.)	28YT 32YT	66cm 76cm
Display		16:9
Sound output (at 10% distortion)		Main 10W + 10W
Power consumption as specified in EN60107-1 : 1997	28YT 32YT	130W 145W
Standby (approx.)	28YT 32YT	<1W <1W
Dimensions (approx.)	28YT 32YT	50cm (H) 81cm (W) 49cm (D) 56cm (H) 91cm (W) 54cm (D)
Weight (approx.)	28YT 32YT	41kg 61kg
Headphone socket		3.5mm stereo
Accessories		Remote control 2 batteries (AAA, IEC R03 1.5V)

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